

Analytical Data Sheet

Lot number **1075805**
not for drug use

Catalog number **E-1125.0050**
Product number **4006108.0050**
Product **Ac- Lys- NH₂ · HCl**
Molecular formula **C₈H₁₇N₃O₂ · HCl**
Relative molecular mass **223.70**

Tests	Results
Appearance	white powder
Appearance of solution	clear, colorless solution (50 mg/mL in methanol)
Identification (TLC)	complies with authentic material
Melting point	145 °C
Specific optical rotation	$[\alpha]_{365}^{24} = -27.5^{\circ}$ (2% in methanol)
Purity (TLC)	> 99%
TLC conditions	n-butanol/acetic acid/H ₂ O 4/2/2 isopropanol/ammonia conc. 1/1 methanol/chloroform/ammonia 17% 2/2/1 plate: silicagel 60 F ₂₅₄ detected by: UV, ninhydrin, TMB
Assay (titration)	100.0% (TBAH)
Water content (KF volumetric)	0.1%
Chloride content (titration)	15.9%

Latest update: February 27, 2018

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